## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

## From the INTERNATIONAL BUREAU

To:

OKABE, Masao No. 602, Fuji Bldg. 3-chome Chiyoda-ku, Tokyo, 1000005 JAPON

2-3, Marunouchi

Date of mailing (day/month/year) 31 August 2006 (31.08.2006)		
Applicant's or agent's file reference KW303PC	IMPORTANT NOTIFICATION	
International application No. PCT/JP2004/018536	International filing date (day/month/year) 07 December 2004 (07.12.2004)	
Applicant  KABUSHIKI KAISHA KENWOOD et al		

1.	Transmittal	of the	translation	to	the applicant.
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report or
patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

EP, KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

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3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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## PATENT COOPERATION TREATY

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# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference  KW303PC		FOR FURTHER	ACTION	See Form PCT/IPEA/416
International application No.		International filing d	late (day/month/year)	Priority date (day/month/year)
PCT/JP2004		07.12.200		08.12.2003
International Patent Clas	sification (IPC) or natio	l onal classification and	1 IPC	
H03M13/25,	H04L27/12.	H04L27/1	4	
Applicant				
KABUSHIKI I	KAISHA KENV	OOD		
				1
This report is under Article 3	the international prelin 5 and transmitted to the	ninary examination re applicant according	eport, established by this In to Article 36.	nternational Preliminary Examining Authority
2. This REPORT	consists of a total of	4	sheets, including	this cover sheet.
<ol><li>This report is a</li></ol>	lso accompanied by AN	NEXES, comprising	:	
a. 🔲 (se	nt to the applicant and t	to the International B	ureau) a total of 3	sheets, as follows:
	sheets of the descript	tion, claims and/or dr	awings which have been an	nended and are the basis for this report and/or
ا ا	sheets containing rec Instructions).	tifications authorized	by this Authority (see Rule	e 70.16 and Section 607 of the Administrative
	sheets which superse	de earlier sheets, but	which this Authority consi	iders contain an amendment that goes beyond n item 4 of Box No. I and the Supplemental
	Box.	пистинона аррпса	tion as med, as malcated i	n item 4 of Box No. 1 and the Supplemental
b. (see	nt to the International E	Bureau only) a total of	(indicate type and number	of electronic carrier(s))
-				containing a cogramme listing and to table
relate Section	d thereto, in computer on 802 of the Administr	readable form only, ative Instructions).	as indicated in the Supplen	, containing a sequence listing and/or tables nental Box Relating to Sequence Listing (see
4. This report con	tains indications relatin	ig to the following ite	ms:	
Box No	o. I Basis of the	report		
Box No	o. II Priority	-		
Box No	o. III Non-establis	hment of opinion witl	h regard to novelty, inventiv	ve step and industrial applicability
Box No	o. IV Lack of unity	y of invention		
Box No	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement			
Box No	o. VI Certain docu	ments cited		
Box No	Box No. VII Certain defects in the international application			
Box No. VIII Certain observations on the international application				
Date of submission of the demand Date of completion of this report				
				•
Name and mailing address of the IPEA/JP		Authorized officer		
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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/018536

Box	x No. I	Basis of the report				
1.		d to the language, this report is based on the internation	nal application in the language in	which it was filed, unless otherwise		
	which	report is based on translations from the original langua h is the language of a translation furnished for the purp international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4 international preliminary examination (Rule 55.2 and/	osses of: (or 55.3)	·		
2.	this report) the in	sternational application as originally filed/furnished	report is based on (replacement e referred to in this report as "c	sheets which have been furnished to the originally filed" and are not annexed to		
	pages			as originally filed/furnished		
	pages pages					
		,	received by this Addiority on			
	the cl	•				
	nos.	2		as originally filed/furnished		
	nos.*		-	•		
	nos.*					
	nos.*		received by this Authority on	10.01.2006		
	sheets			as originally filed/furnished		
	sheets					
	sheets		received by this Authority on			
	a sequ	pence listing and/or any related table(s) - see Supplement	ental Box Relating to Sequence L	isting.		
<b>3</b> .	The a	mendments have resulted in the cancellation of:				
		the description, pages				
	$\boxtimes$	the claims, nos. 4,8				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
4.	This is they is	report has been established as if (some of) the amend have been considered to go beyond the disclosure as fil	ments annexed to this report and ed, as indicated in the Supplemen	listed below had not been made, since that Box (Rule 70.2(c)).		
		the description, pages				
		the claims, nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
*	If item 4 ap	plies, some or all of those sheets may be marked "supe	rseded."			

International application No.
PCT/JP2004/018536

Box	No. V Reasoned statement citations and explain	nt under An mations suj	ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims	2, 3, 5, 7	YES
		Claims	1, 6, 9, 10	NO
	Inventive step (IS)	Claims Claims	2, 3 1, 5-7, 9, 10	YES NO
	Industrial applicability (IA)	Claims	1-3, 5-7, 9, 10	YES
		Claims		NO

- 2. Citations and explanations (Rule 70.7)
  - Document 1: JP 2003-174485 A (Sony Corp.), 20 June 2003, entire text, all drawings & WO 2003/049392

    A1
  - Document 2: JP 11-220762 A (NTT Mobile Communications
    Network Inc.), 10 August 1999, entire text,
    all drawings & US 6512748 B1
  - Document 3: WO 2003/063465 A1 (Aviom, Inc.), 31 July 2003, claim 1; page 13, line 26 to page 15, line 10; and page 17, lines 7 to 18 & JP 2005-516485 A & US 2003/0161324 A1 & US 2003/0161347 A1 & US 2003/0161354 A1 & US 2003/0165163 A1 & US 2003/0167425 A1 & EP 1476947 A1

Document 3 is newly cited in the present international preliminary report on patentability.

Claims 1, 6, 9 and 10

Document 3, which is newly cited in the present international preliminary report on patentability, discloses a transmission device for applying an error correction algorithm (i.e., "generating encoded data by adding redundant bits") to only the 11 high-priority bits

International application No.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

(i.e., the "prescribed set of important bits") among the 24 bits that constitute the audio or video information and then transmitting the resulting audio or video information; therein, document 3 also discloses a reception device for receiving the information in question.

### Claims 5 and 7

Document 2 discloses a technique for modulating and demodulating by means of a multi-value FSK system.

Such being the case, it is thought that a person skilled in the art could employ the multi-value FSK system disclosed in document 2 as the signal transceiver in the invention disclosed in document 3, as appropriate.

### Claims 2 and 3

Documents 1 and 3 do not disclose or suggest the feature wherein redundant bits are added to prescribed sets of important bits so as to increase the Euclidean distance between the sets of data to which the redundant bits are added, or the feature wherein redundant bits are added to prescribed sets of important bits so as to generate a gray code.